

PTO/SB/DBA (08-03)

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Sheet	1	of	1
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**Complete If Known**

Application Number	10/051,601
Filing Date	January 17, 2002
First Named Inventor	Cioffi et al.
Art Unit	2002 2665
Examiner Name	Alpa Hsu
Attorney Docket Number	T-27725.1

## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner Signature	Albus H. Hsu	Date Considered	5/24/05
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Application Number					
Filing Date		01/17/02			
First Named Inventor		John M. Cioffi, et al.			
Group Art Unit		2665			
Examiner Name		Alpus Hsu			
Attorney Docket No.		TI-27725.1			

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10/05/01  
01/17/02

U.S. PATENT DOCUMENTS						
Exam. Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
B44	AA	4,314,376		Williams	2/1982	
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FOREIGN PATENT DOCUMENTS								
Exam. Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
B44	BA	PCT	WO 92/10884			06/25/92		
	BB	EPO	EP0562868A2			09/29/93		
	BC	EPO	EP0295227A1			12/14/88		
	BD	PCT	WO 85/03180			07/18/85		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Exam. Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
B44	CA	BINGHAM, John A.C., "Multicarrier Modulation For Data Transmission - An Idea Whose Time Has Come," IEEE Communications Magazine, May 1990	
	CB		
	CC		

Examiner Signature: <u>Alpus H. Hsu</u>	Date Considered: <u>5/24/05</u>
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<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English Translation is attached.